



CERTIFICATE OF ACCREDITATION

This is to attest that

QAI LABORATORIES LTD.

25 ROYAL GROUP CRESCENT
VAUGHAN, ONTARIO, L4H 1X9 CANADA

Testing Laboratory TL-672

has met the requirements of AC89, *IAS Accreditation Criteria for Testing Laboratories*, and has demonstrated compliance with ISO/IEC Standard 17025:2017, *General requirements for the competence of testing and calibration laboratories*. This organization is accredited to provide the services specified in the scope of accreditation.

Effective Date February 25, 2020



A handwritten signature in black ink, reading "Raj Nathan".

President

SCOPE OF ACCREDITATION

International Accreditation Service, Inc.

3060 Saturn Street, Suite 100, Brea, California 92821, U.S.A. | www.iasonline.org

QAI LABORATORIES LTD.

www.qai.org

Contact Name Lawrence Gibson

Contact Phone +1-604 527 8378

Accredited to ISO/IEC 17025:2017

Effective Date February 25, 2020

Thermal	
ASTM C411	Standard test method for hot-surface performance of high-temperature thermal insulation
ASTM C447	Standard practice for estimating the maximum use temperature of thermal insulations
ASTM C518/ISO 8301	Standard test method for steady-state thermal transmission properties by means of the heat flow meter apparatus
ASTM C547	Standard specification for mineral fiber pipe insulation
ASTM C578	Standard specification for rigid, cellular polystyrene thermal insulation
ASTM C1029	Standard specification for spray-applied rigid cellular polyurethane thermal insulation
ASTM C1289	Standard specification for faced rigid cellular polyisocyanurate thermal insulation board
ASTM C1512	Standard test method for characterizing the effect of exposure to environmental cycling on thermal performance of insulation products
ASTM D2126	Standard test method for response of rigid cellular plastics to thermal and humid aging
ASTM D2863	Standard test method for measuring the minimum oxygen concentration to support candle-like combustion of plastics (oxygen index)
CAN/ULC-S702	Standard for thermal insulation mineral fiber for buildings (excluding CAN/ULC S102 and ASTM C1338)
CAN/ULC-S705.1	Standard for thermal insulation - spray applied rigid polyurethane foam, medium density - material – specification (excluding Sections 5.5.5, 5.5.9 and 5.5.11)
CAN/ULC-S712.1	Standard for thermal insulation - light density, open cell spray applied semi-rigid polyurethane (excluding sections 5.5.4, 5.5.6 and 5.5.8)
CAN/ULC-S770	Standard test method for determination of long-term thermal resistance of closed-cell thermal insulating foams
ICC-ES AC12	Foam plastic insulation (test methods referenced in sections 3.0 and 4.0, excluding all fire testing)

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ICC-ES AC377	Spray-applied foam plastic insulation (test methods referenced in section 3.0)
Structural	
ASTM C203	Standard test methods for breaking load and flexural properties of block-type thermal insulation
ASTM C297	Standard test method for flatwise tensile strength of sandwich constructions
ASTM C550	Standard test method for measuring trueness and squareness of rigid block and board thermal insulation
ASTM C1177	Standard specification for glass mat gypsum substrate for use as sheathing
ASTM C1185	Standard test methods for sampling and testing non- asbestos fiber-cement flat sheet, roofing and siding shingles, and clapboards
ASTM C1186	Standard specification for flat fiber-cement sheets
ASTM C1325	Standard specification for non-asbestos fiber-mat reinforced cementitious backer units
ASTM C1396	Standard specification for gypsum board
ASTM C1557	Standard test method for tensile strength and Young's modulus of fibers
ASTM D412	Standard test methods for vulcanized rubber and thermoplastic elastomers—tension
ASTM D638	Standard test method for tensile properties of plastics
ASTM D790	Standard test methods for flexural properties of unreinforced and reinforced plastics and electrical insulating materials
ASTM D828	Standard test method for tensile properties of paper and paperboard using constant rate of elongation apparatus
ASTM D882	Standard test method for tensile properties of thin plastic sheeting
ASTM D1037	Standard test methods for evaluating properties of wood- base fiber and particle panel materials
ASTM D1621	Standard test method for compressive properties of rigid cellular plastics
ASTM D1622	Standard test method for apparent density of rigid cellular plastics
ASTM D1623	Standard test method for tensile and tensile adhesion properties of rigid cellular plastics
ASTM D1761	Standard test methods for mechanical fasteners in wood
ASTM D2842	Standard test method for water absorption of rigid cellular plastics
ASTM D3039	Standard test method for tensile properties of polymer matrix composite materials

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ASTM D3330	Standard test method for peel adhesion of pressure - sensitive tape
ASTM D4073	Standard test method for tensile-tear strength of bituminous roofing membranes
ASTM D4885	Standard test method for determining performance strength of geomembranes by the wide strip tensile method
ASTM D5628	Standard test method for impact resistance of flat, rigid plastic specimens by means of a falling dart (TUP or falling mass)
ASTM D6226	Standard test method for open cell content of rigid cellular plastics
ASTM D6272	Standard test method for flexural properties of unreinforced and reinforced plastics and electrical insulating materials by four-point bending
ASTM D6817	Standard specification for rigid cellular polystyrene geofoam
ASTM E96	Standard test methods for water vapor transmission of materials
ASTM E283	Standard test method for determining rate of air leakage through exterior windows, curtain walls, and doors under specified pressure differences across the specimen
ASTM E330	Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference
ASTM E331	Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference
ASTM E547	Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference
ASTM E783	Standard Test Method for Field Measurement of Air Leakage Through Installed Exterior Windows and Doors
ASTM E1105	Standard Test Method for Field Determination of Water Penetration of Installed Exterior Windows, Skylights, Doors, and Curtain Walls, by Uniform or Cyclic Static Air Pressure Difference
ASTM E2068	Standard Test Method for Determination of Operating Force of Sliding Windows and Doors
ASTM E2178	Standard test method for air permeance of building materials
ASTM E2634	Standard specification for flat wall insulating concrete form (ICF) systems
CAN/ULC-S701	Standard for thermal insulation, polystyrene, boards and pipe covering
CAN/ULC-S704	Standard for thermal insulation, polyurethane and polyisocyanurate boards, faced (excluding CAN/ULC S102)
CAN/ULC-S706	Standard for wood fibre insulating boards for buildings

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CAN/ULC-S716.1	Standard for exterior insulation and finish systems (EIFS) - materials and systems (excluding sections 5.2.1.2, C and D, 5.3.2, 5.3.7, 5.3.8, 5.3.9, 5.4.2, 5.4.6, 5.5.3, 5.5.4 and 5.5.5)
CAN/ULC S717.1	Standard for flat wall insulating concrete form (ICF) units
CAN/ULC-S718	Standard for site quality assurance program for spray polyurethane foam
NAFS CSA A440-11/AAMA/101	North American Fenestration Standard/Specification for WDMA I.S.2 windows, doors, and skylights.